

Method to enable Heartbeat e9-1-1

1st claim area

Structured Military Message Formats

USMTF MIL STD 6040/
ADatP-3 / STANAG 5500
OTH-T GOLD / OS-OTG
VMF / TADIL A, B, J, K
ADFORMS, XML-MTF,
NATO ACP123/STANAG
JANAP128, NICS-TARE

Method to commercialize structured military messaging

10/605144

Convert to XML Schemas

Import

- Apply TCP/IP's universal "heartbeat"
- mechanism to time the data exchanges from/to platforms of interest by way of IP
- multicast groups - routers. Configure multi-cast groups / MIBS via commercial vice military tools in commercial development / integration frameworks. Use intrinsic TCP/IP send to / gather from functions to place harvested data into queue/object store for processing/onward distribution via intelligent agents & newer transport protocols such as SSTP, ZigBee, TDXP...

2nd claim area 10/708000

Method to enable a Homeland Security Heartbeat

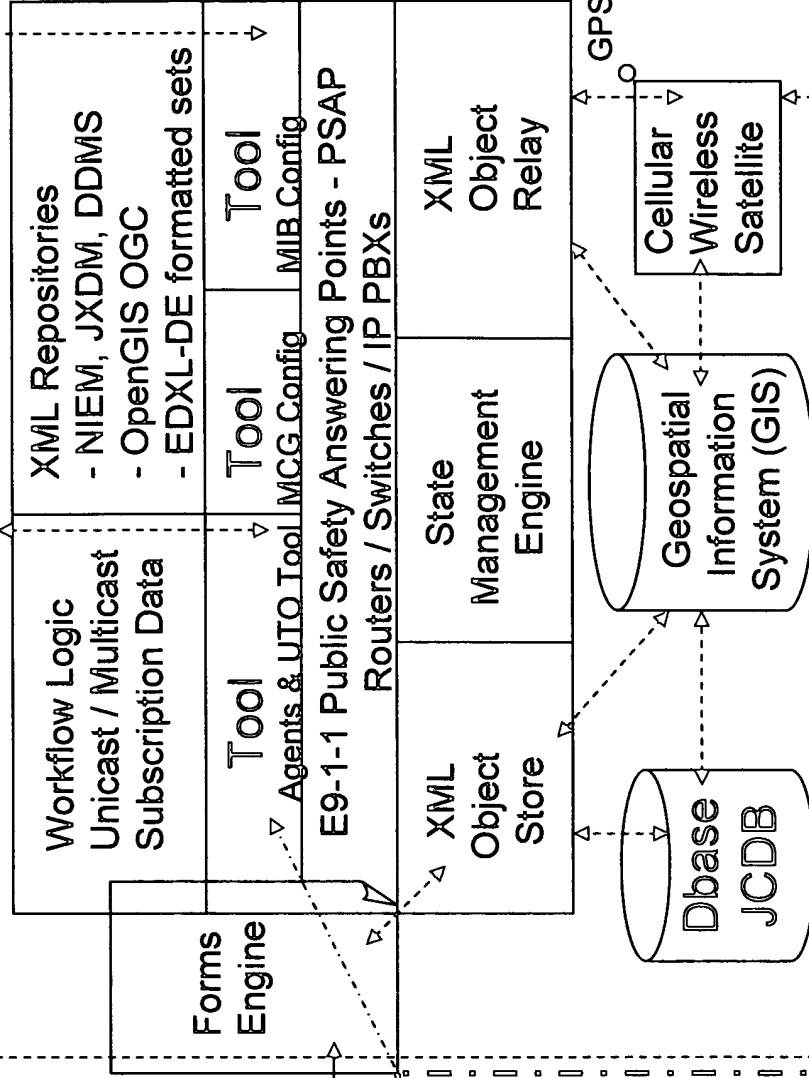
Service Oriented Architecture SOA

3rd

claim area

10/709358 Heartbeat XML Child Schemas/Data Islands

Viewers / Applications / Browsers
Common Alert Protocol (CAP)



XML Tags DDMS & EDXL-DE Message Set Data Autopost/Auto fill

Wireless Mesh Networking 70+ types
ESS 802.11s, IEEE ZigBee 802.15.4
TDXP
Sensor nets/Comm nodes

TCP/IP Heartbeat Protocol

Figure 1